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(S4) Radio signal polarisation switching arrangement.

A radio signal polarisation switching arrangement is responsive to linearly polarised radio signals, such as television signals from a satellite. The switching arrangement which is capable of selecting signals having either one of predetermined states of linear polarisation comprises a dielectric support block 20 which supports a ferrite rod 21 axially in a circular waveguide 22. A metal or metallised layer 27 is deposited on an external surface of the support block and an energising coil is wound around the layer in axial alignment with the rod. The support block has a stepped configuration at opposite ends in order to compensate for the loading effect of the ferrite rod on the waveguide.

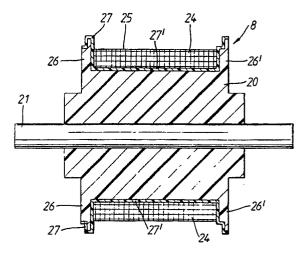


Fig. 3.



EUROPEAN SEARCH REPORT

EP 91 30 0674

ategory	Citation of document with in of relevant pas		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
	GB-A-1166402 (HUGHES AI * page 3, line 19 - pag	RCRAFT COMP.) e 4, line 32; figure 3 *	1, 2, 4-6, 15 3, 7-9 10, 11	H01P1/175 H01P1/11
,	GB-A-891427 (THE GENERAL ELECTRIC COMP.LTD.) * page 2, line 25 - page 3, line 3; figure *		3, 7-9	
			4, 6, 10, 11, 15	
	DE-B-1085934 (HUGHES AI * column 2, line 34 - c	 RCRAFT COMP.) olumn 4, line 57; figure	1, 2, 7,	
	US-A-2857575 (ZALESKI) * column 2, line 13 - c	olumn 3, line 28; figures	1, 2, 5, 6, 8, 10, 11, 15	
	US-A-3084295 (ROSEN) * column 4, lines 12 -	IS-A-3084295 (ROSEN) column 4, lines 12 - 62; figures 2, 3 *		TECHNICAL FIELDS SEARCHED (Int. CL5)
	US-A-3130379 (HADLEY) * column 2, line 39 - column 4, line 48; figure 1 *		1, 2, 5, 6, 8, 10-12, 15	H01Q
		 PATENT-VERWALTUNGS-GMBH) 66, line 4; figure 3a * 	13, 14	
	The present search report has t	pen drawn up for all claims		
	Place of search	Date of completion of the search		Fxaminer
	THE HAGUE	21 JUNE 1991	DEN	OTTER A.M.
Y:pa do A:tec	CATEGORY OF CITED DOCUME rticularly relevant if taken alone rticularly relevant if combined with an cument of the same category chnological background m-written disclosure	E: earlier patent after the filin other D: document cite L: document cite	ed in the application and for other reasons	blished on, or on s